

Message

From: Anderson, Milo [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7D825E9FB1EB4D9E9D0DC576DCD26C52-MANDERSO]
Sent: 10/18/2017 9:49:22 PM
To: Rogers, Joan [rogers.joan@epa.gov]
CC: Tschampa, Andrew [tschampa.andrew@epa.gov]; Burdett, Cheryl [burdett.cheryl@epa.gov]
Subject: FW: Fields applied on in the fall for 2017 or SWQMA Areas
Attachments: CSD 2017 Fields for Fall or SQMA.xlsx; CentralSandsDairy_WIDNR_000351, Map of fields with 2008 add'ns.pdf; Milo Digitized CSD Fields - Parcels.jpg; Milo Digitized CSD Fields - Crop Production Areas.jpg

Joan,

In response to Cheryl's email below, I wound up having to digitize Central Sands Dairy's manure application fields, as the GIS layer of the fields I already had was not field specific, and did not include the field name in the attribution. Cheryl's fields of interest are in the 1st attachment, so I went searching for a map showing where these fields are located, and I found the map on the share drive under G:\WECAB\Central Sands Information. That map is the second attachment.

I have now completed digitizing the fields, and I did it in 2 ways. I've seen the fields represented as both rectangular ownership parcels, and also as mostly circular cropped fields. As long as I was going through the process of digitizing, as I panned from field to field, I created a polygon representing the actual field under crop production, as well as the encapsulating rectangular parcel. Thus I created 2 shapefiles, one for fields, and one for parcels. I digitized the fields at about a 1:5000 scale, and the parcels at about a 1:10,000 scale. For the parcels, I opted for speed in the digitizing process, thus the more broad scale. For the fields, I opted for accuracy, thus more zoomed in. As a result, the parcels may not always completely encapsulate the field due to the different scales, I assumed that both products were useful independent of each other. But they look pretty good overlaid with each other on a map anyway. The 3rd and 4th attachments show what my digitized parcels and fields, respectively, look like on an aerial photo.

Just a note that the 2nd attachment map I used as a basis for my digitizing does not display the first 2 fields Cheryl has listed in the 1st attachment, Basse North and HC-1. Therefore, these two fields I did not digitize since I don't know where they are located. If you have info on these 2 fields locations and can send it to me, I'd be happy to digitize them as well.

I'll follow up with another email that has the 2 shapefiles attached. Please let me know if you have any questions.

Milo

From: Burdett, Cheryl
Sent: Tuesday, October 10, 2017 11:21 AM
To: Anderson, Milo <anderson.milo@epa.gov>
Subject: Fields applied on in the fall for 2017 or SWQMA Areas

Hi Milo

Attached is a file that contains the proposed fields to applied on in 2017 fall or in the SWQMA areas for Central Sands Dairy, LLC could you provide me a map of where these fields are located.

Thank you.

Sincerely,

Cheryl Burdett